

**WATER DEMAND CALCULATIONS FOR
DOWNTOWN LEE'S SUMMIT APARTMENTS
1/31/2020
PEI 171125**

Generation Rates

Unit Type	Bldg Use	Parameter		gpd/parameter	Q (gpd)
1 Bedroom	Apartment	178	Units	150	26700
2 Bedroom	Apartment	95	Units	200	19000
	Clubhouse	12207	s.f.	100/1000	1221

Avg Daily Flow =	46921	gpd
------------------	-------	-----

Max. / Avg. Daily Ratio =	2.1
Maximum Daily Water Demand (M) =	98534 gpd

Peak Hour Demand (P = 2 * M) =	197068 gpd
	137 gpm

